

```

graph TD
    10[Application] <--> 12[File System]
    12 <--> 14[Logical Volume Manager]
    14 <--> 16[Physical Storage System]
  
```

Figure 1 is a block diagram illustrating the interaction between four components in a storage architecture. The components are arranged vertically and connected by bidirectional arrows, indicating data flow and control between them. The components are labeled as follows:

- 10 Application**: The top component, representing the user application.
- 12 File System**: The second component, representing the file system layer.
- 14 Logical Volume Manager**: The third component, representing the logical volume management layer.
- 16 Physical Storage System**: The bottom component, representing the physical storage hardware.

The bidirectional arrows connect the Application to the File System, the File System to the Logical Volume Manager, and the Logical Volume Manager to the Physical Storage System, showing the flow of data and control between these layers.

FIG. 1 (PRIOR ART)

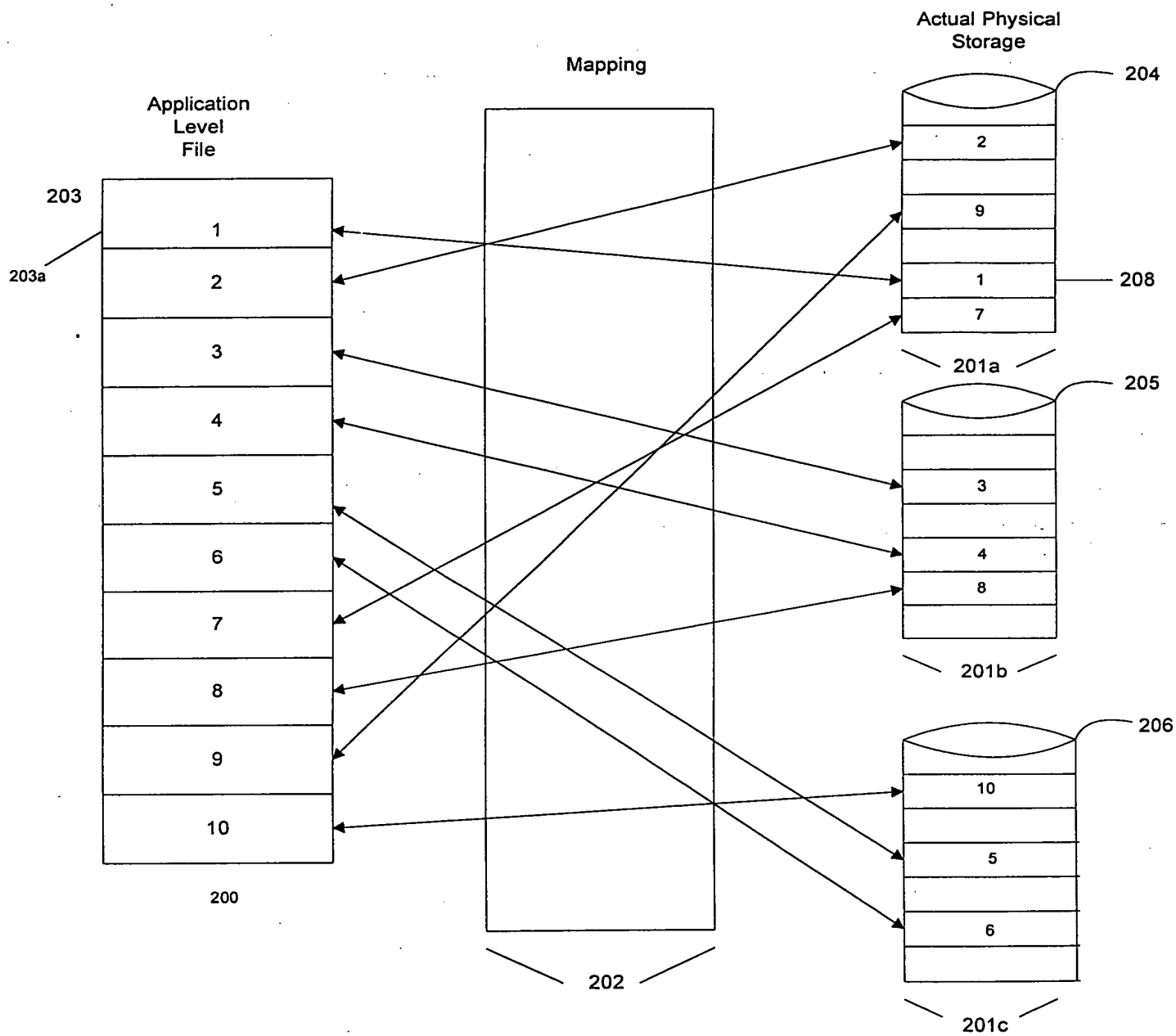


FIG. 2B

04500000

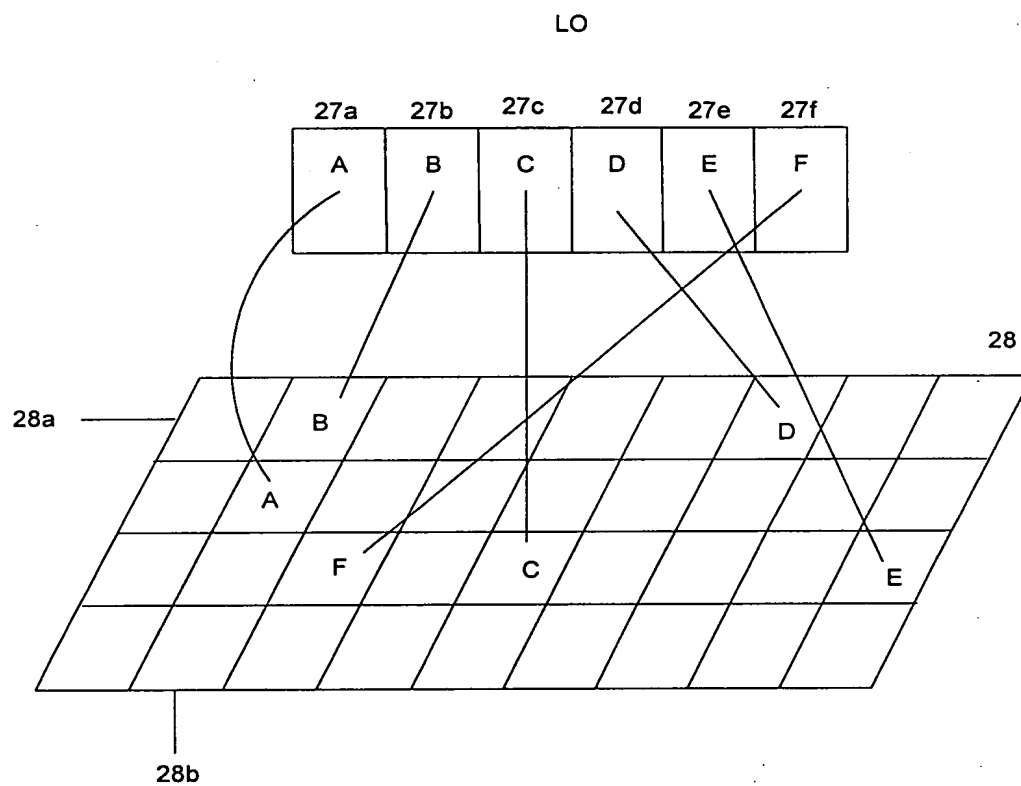
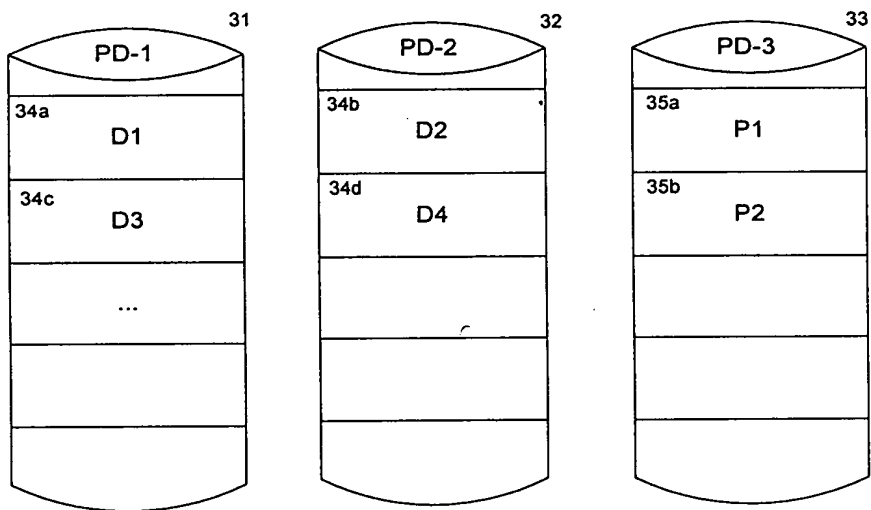
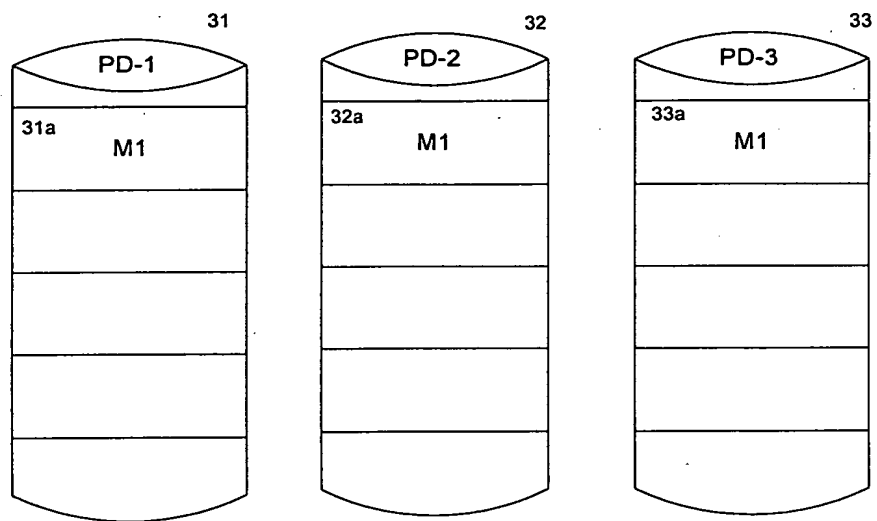


FIG. 2C



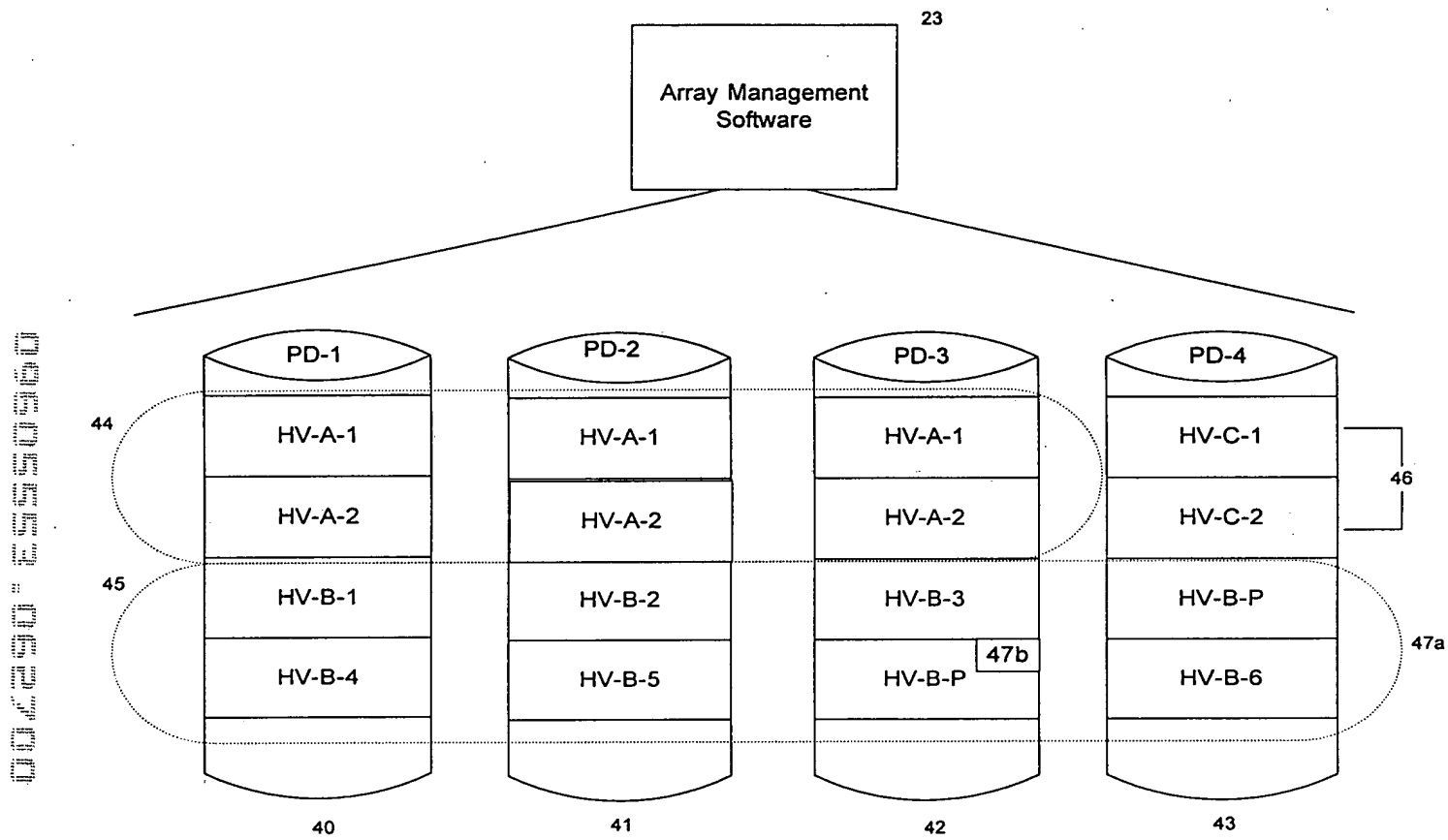


FIG. 4 (PRIOR ART)

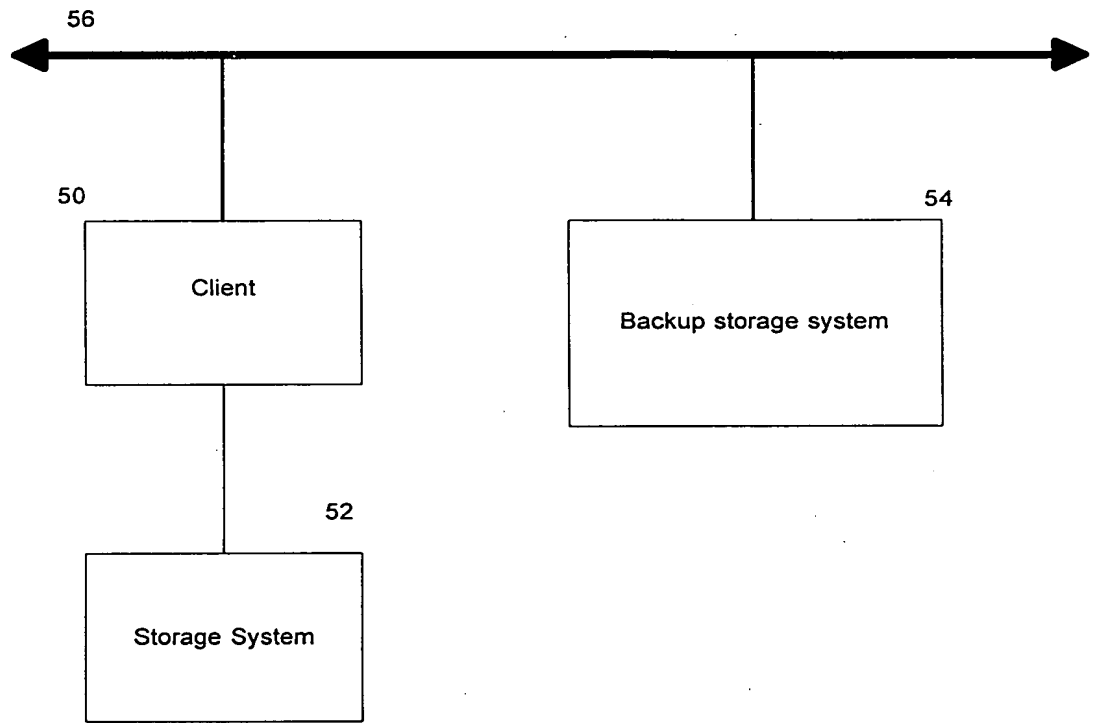


FIG. 5

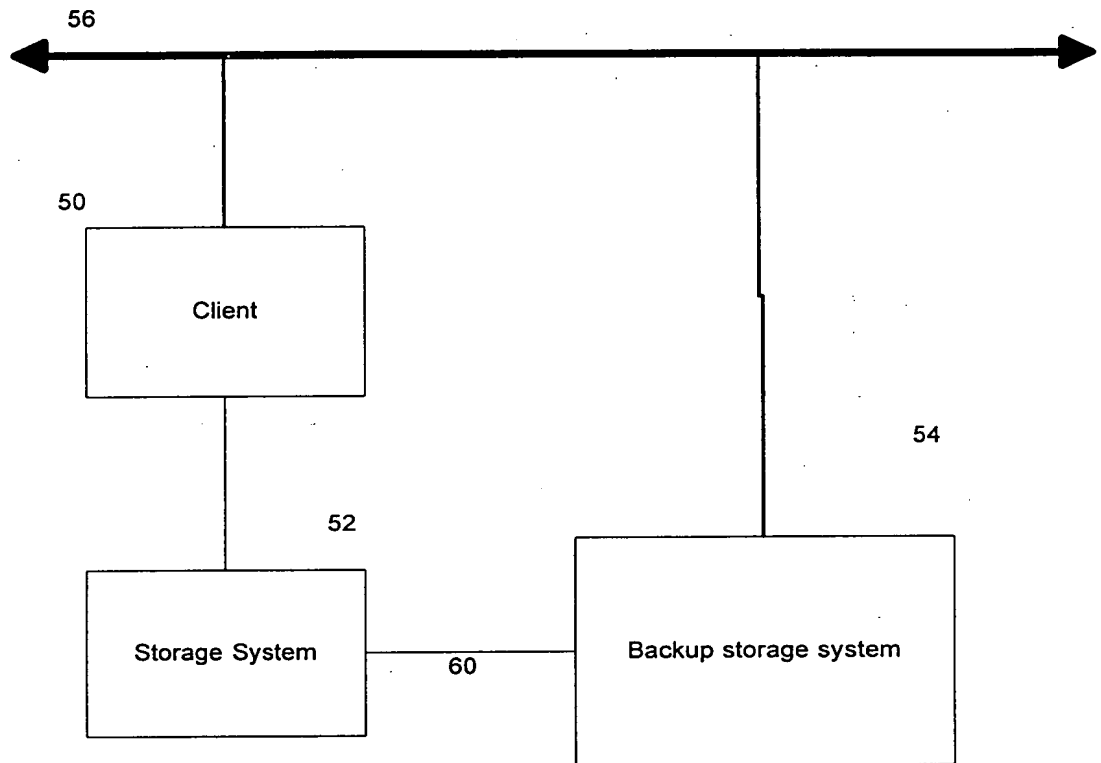


FIG. 6

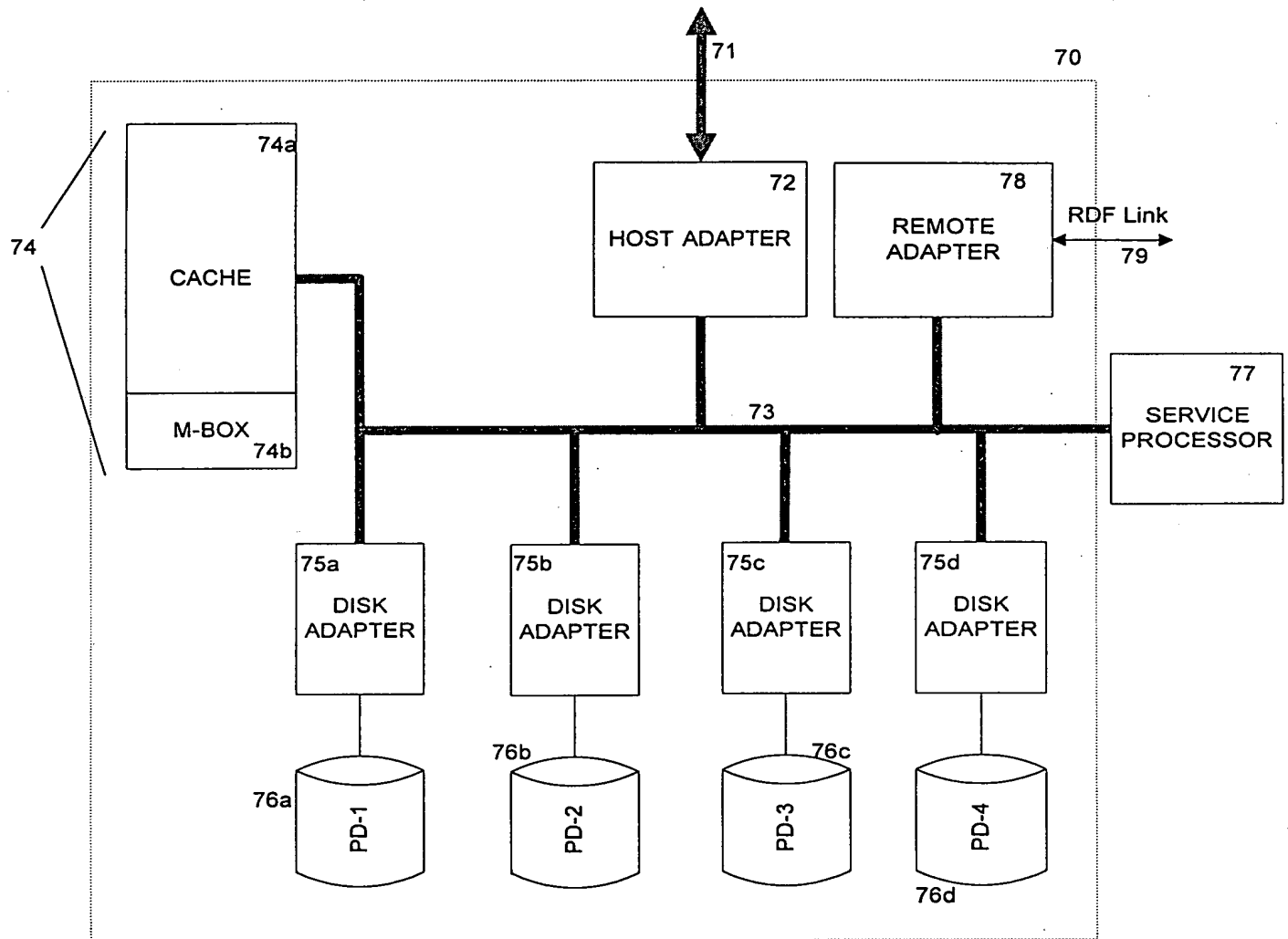


FIG. 7

FIG. 8

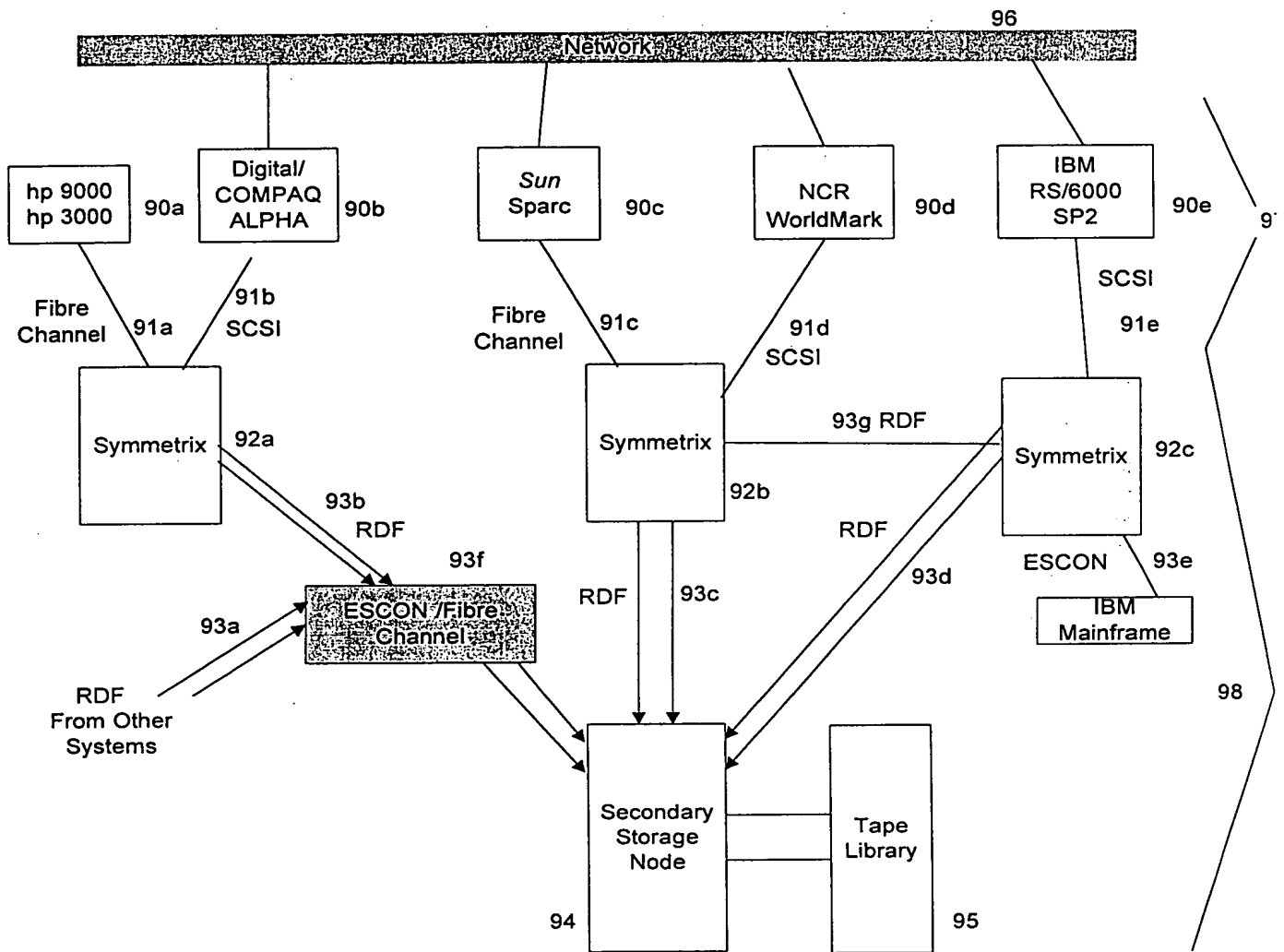


FIG. 9

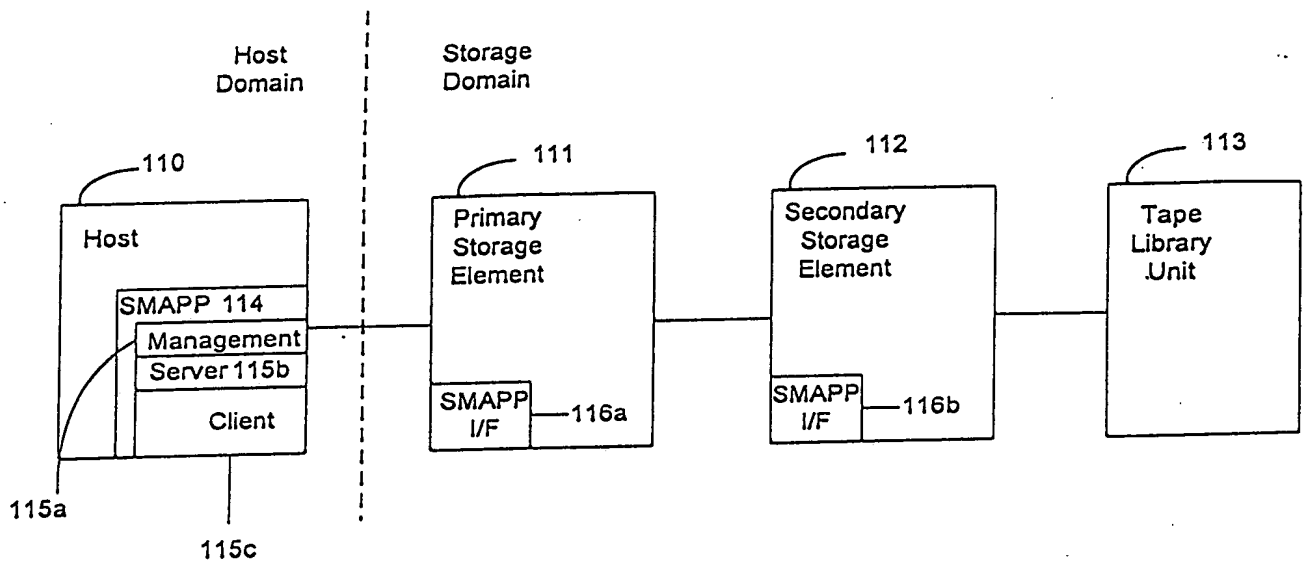


FIG. 10

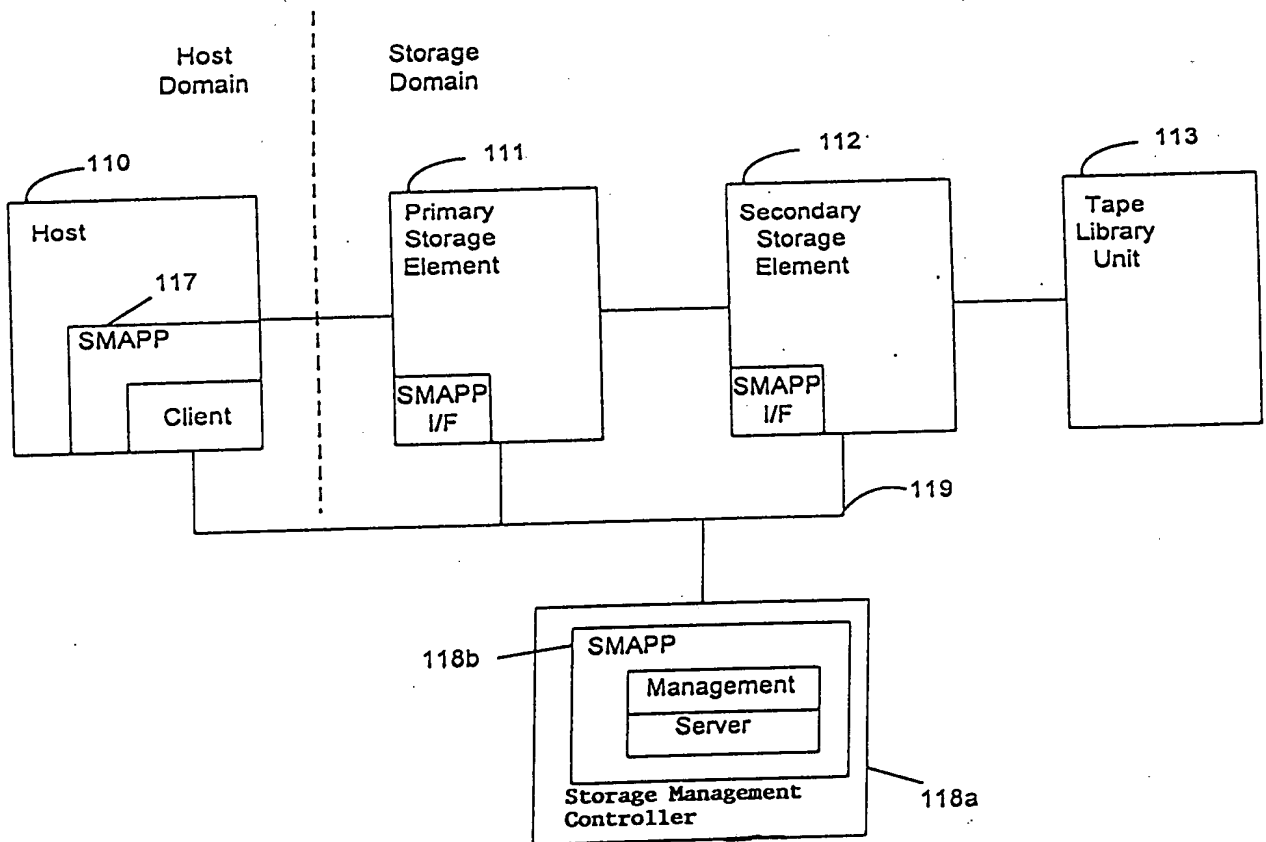


FIG. 11

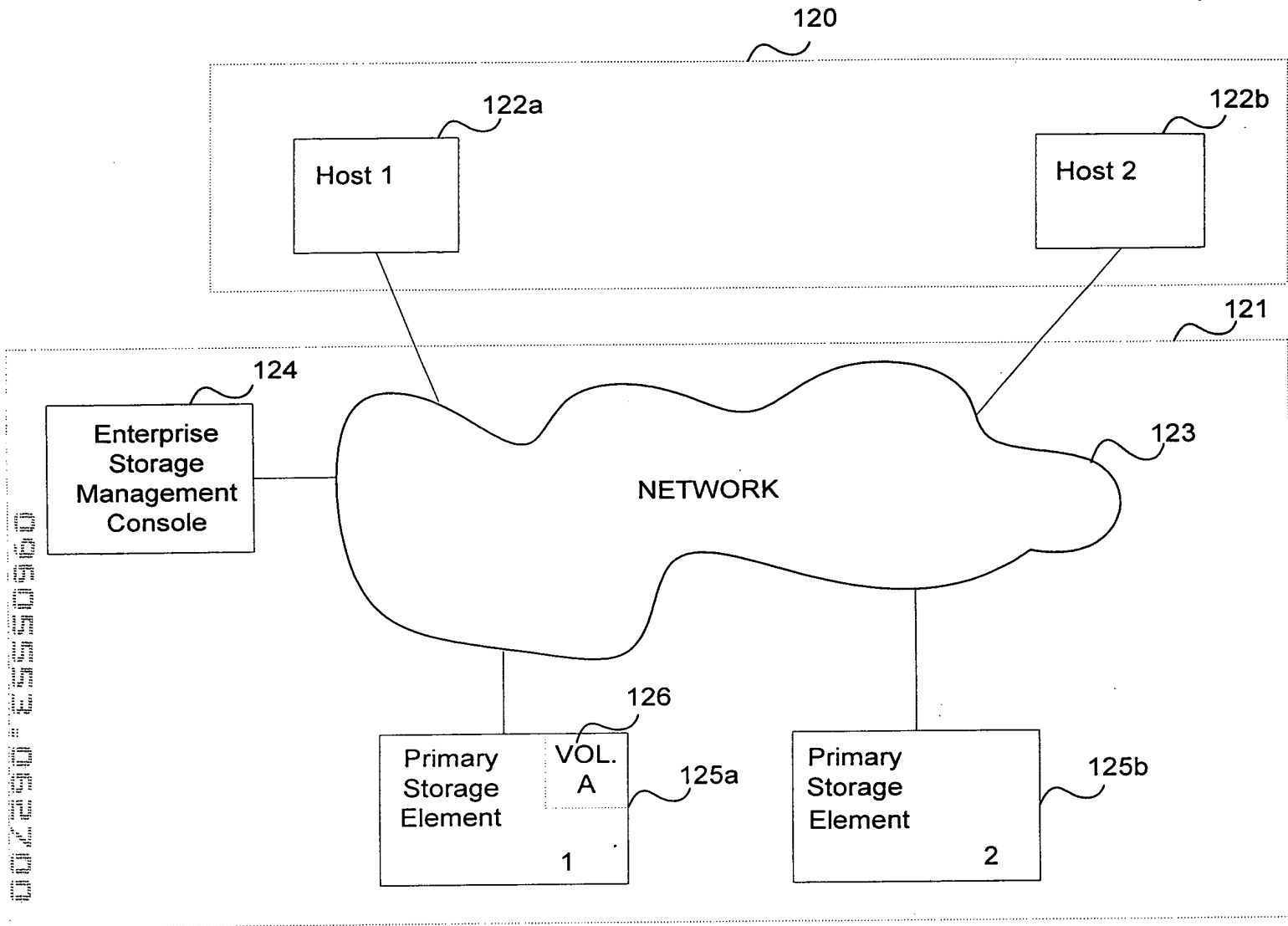


FIG. 12

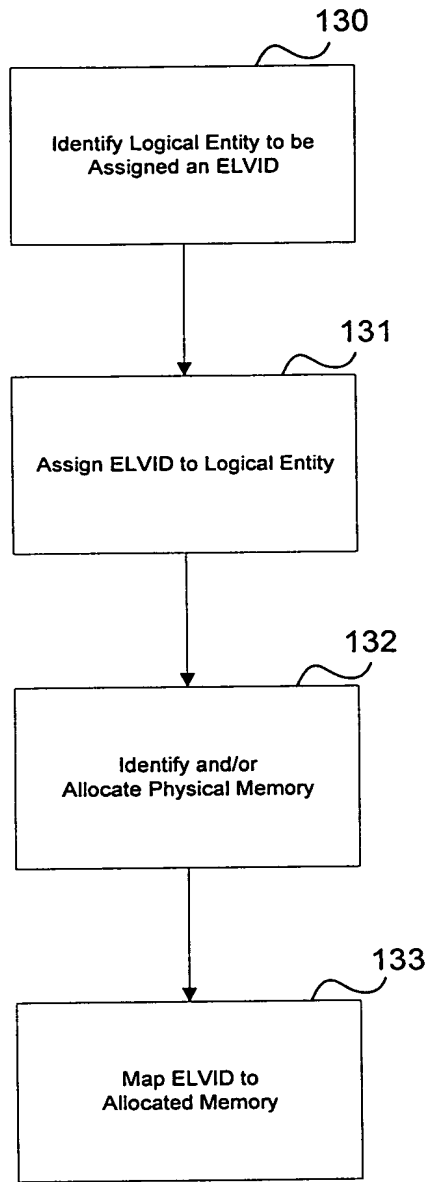


FIG. 13

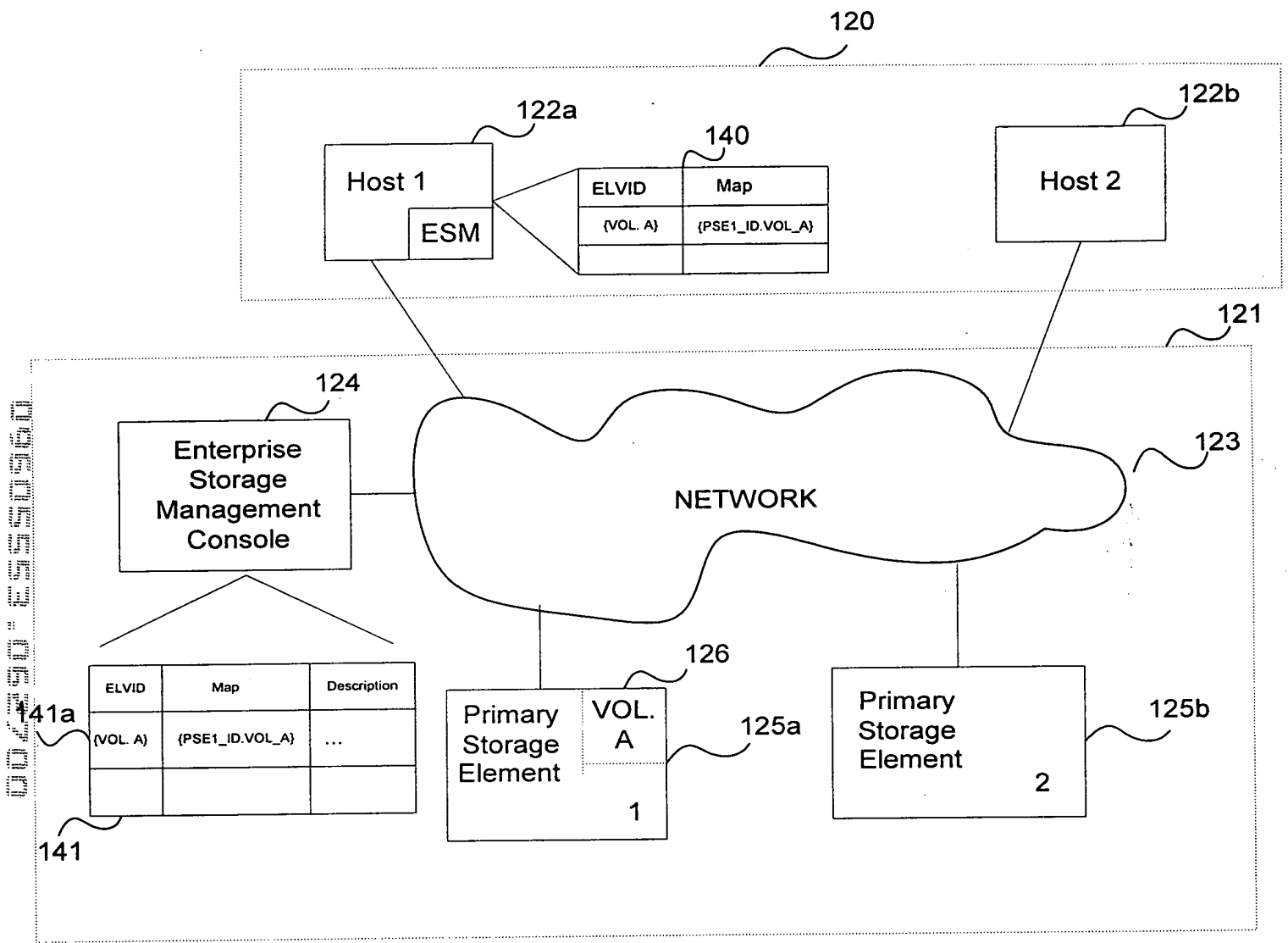
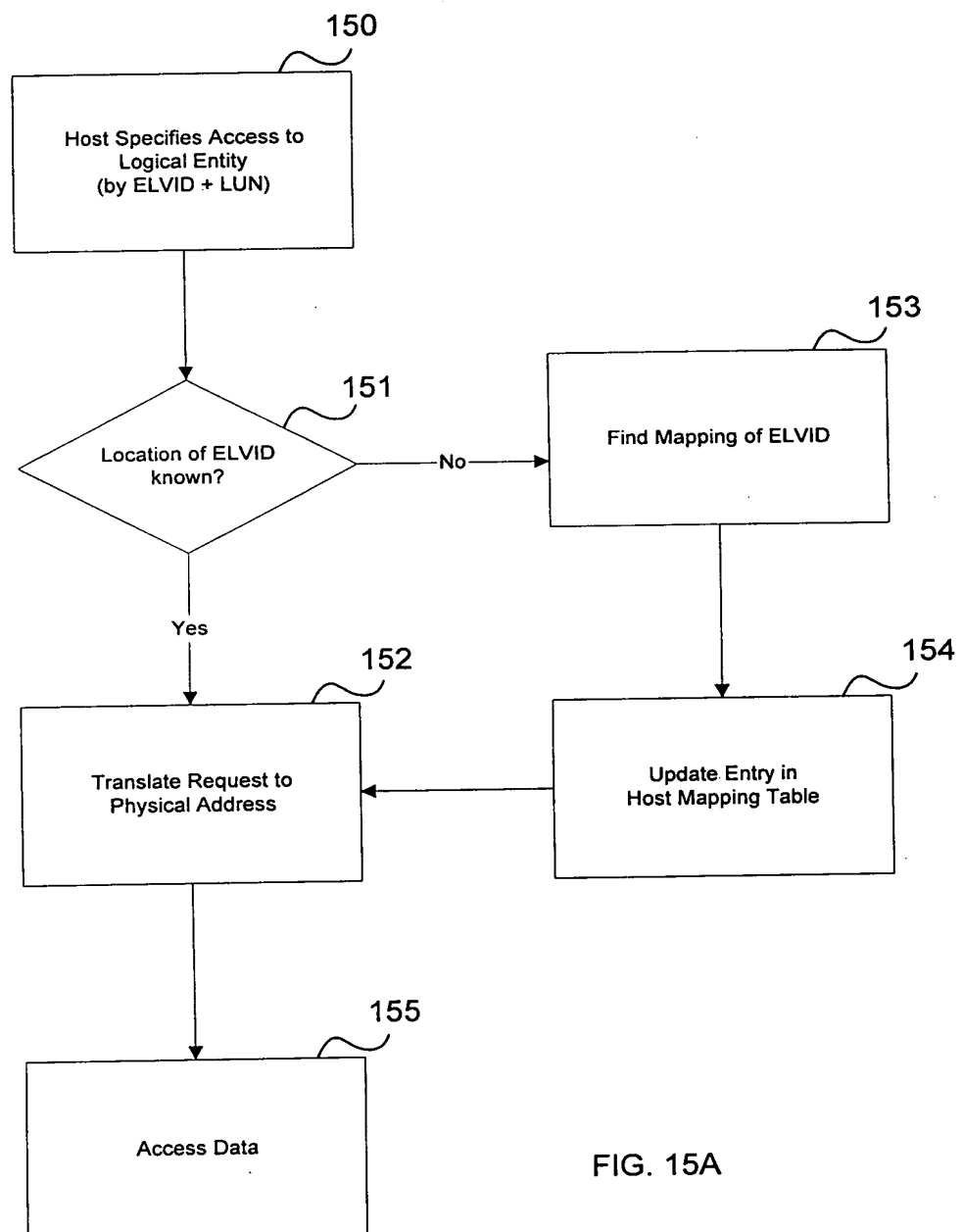
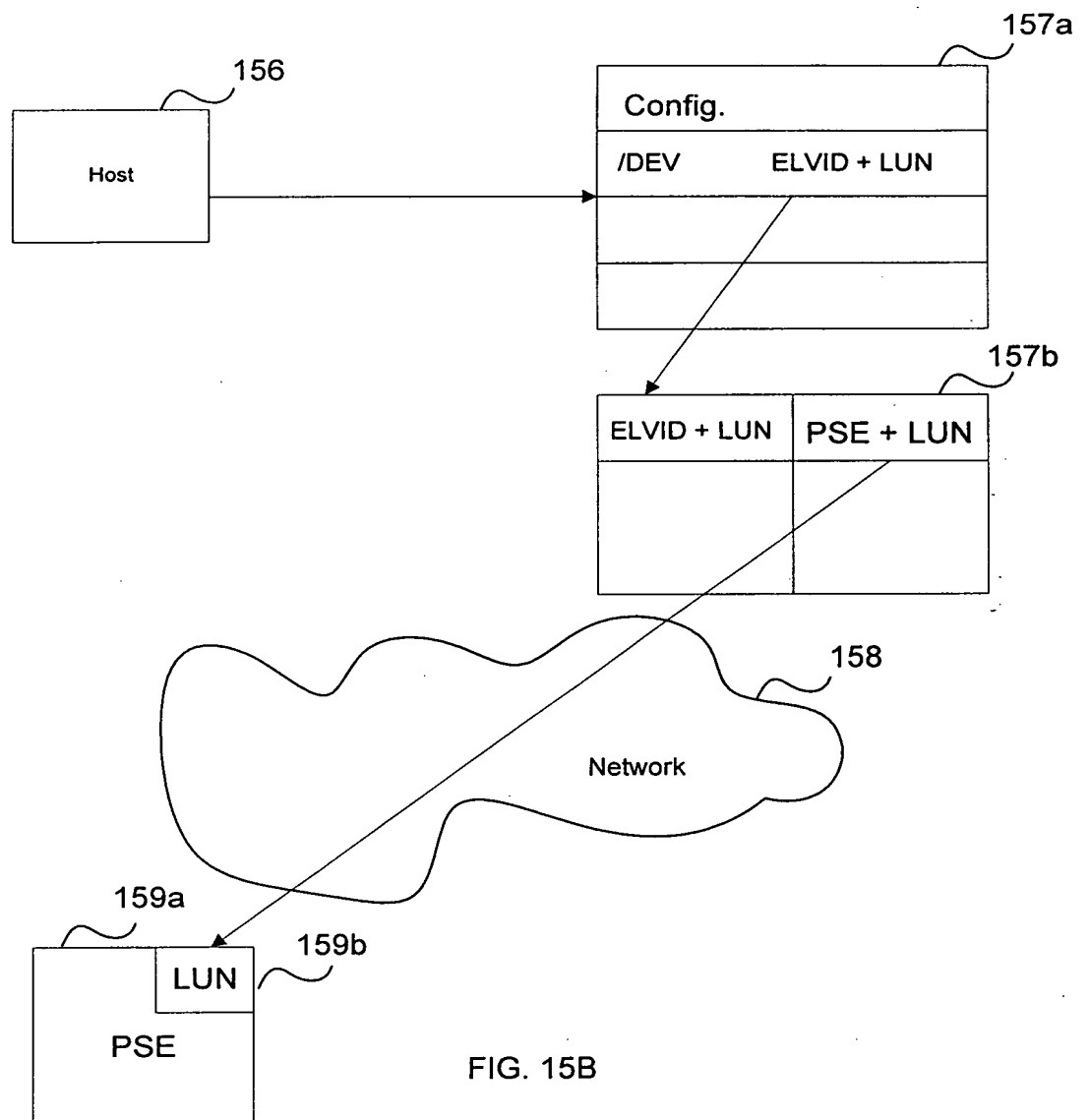


FIG. 14





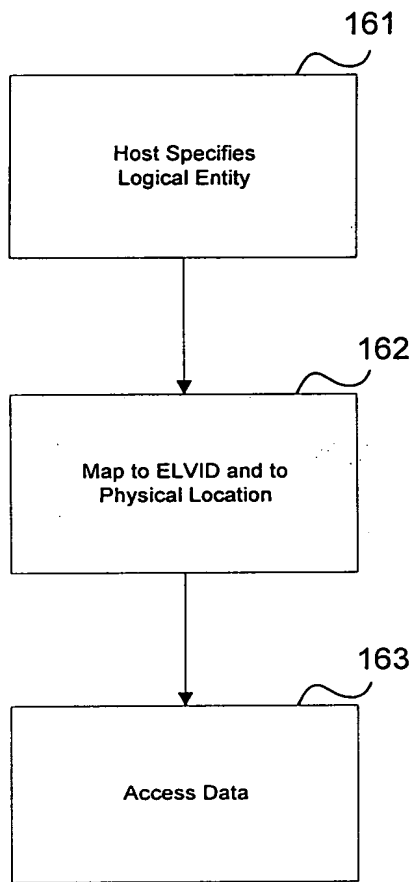


FIG. 16

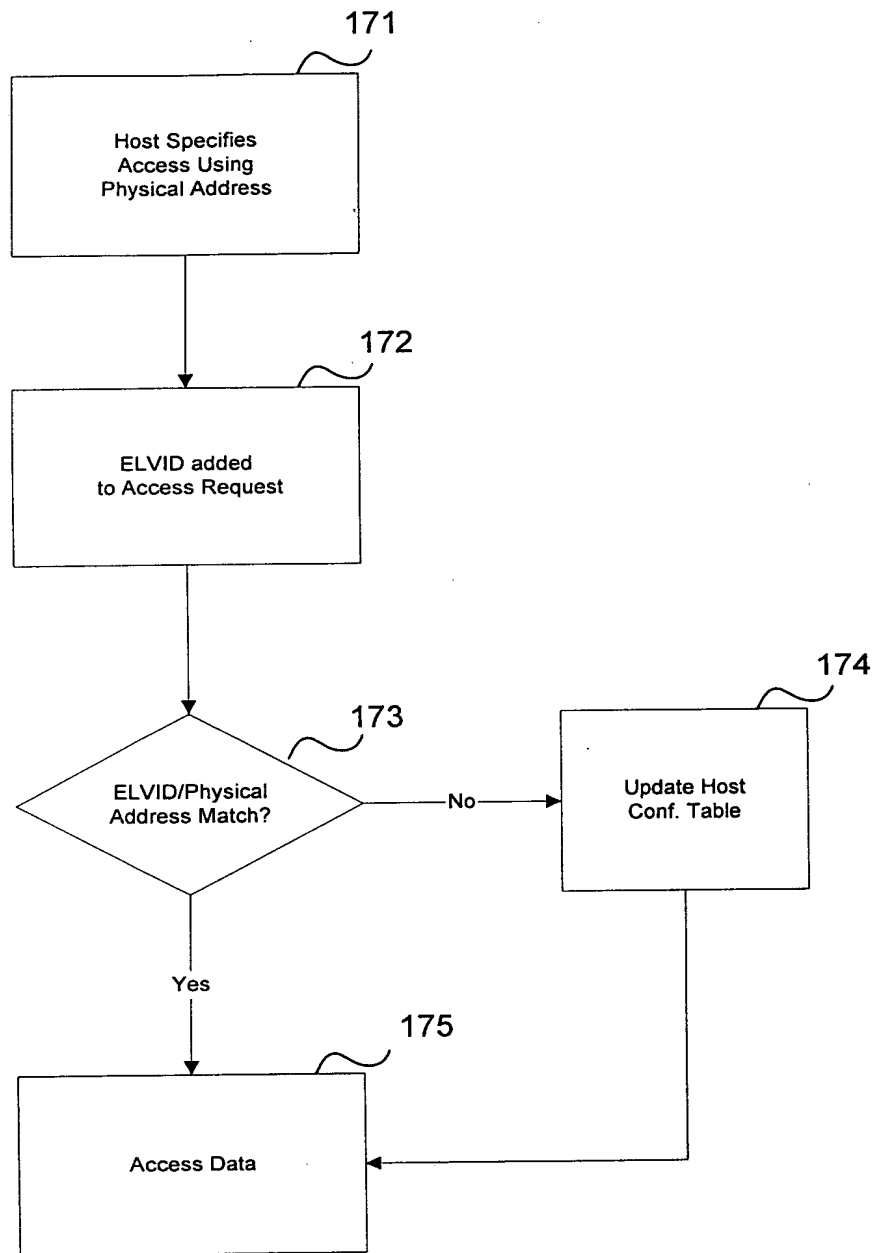


FIG. 17

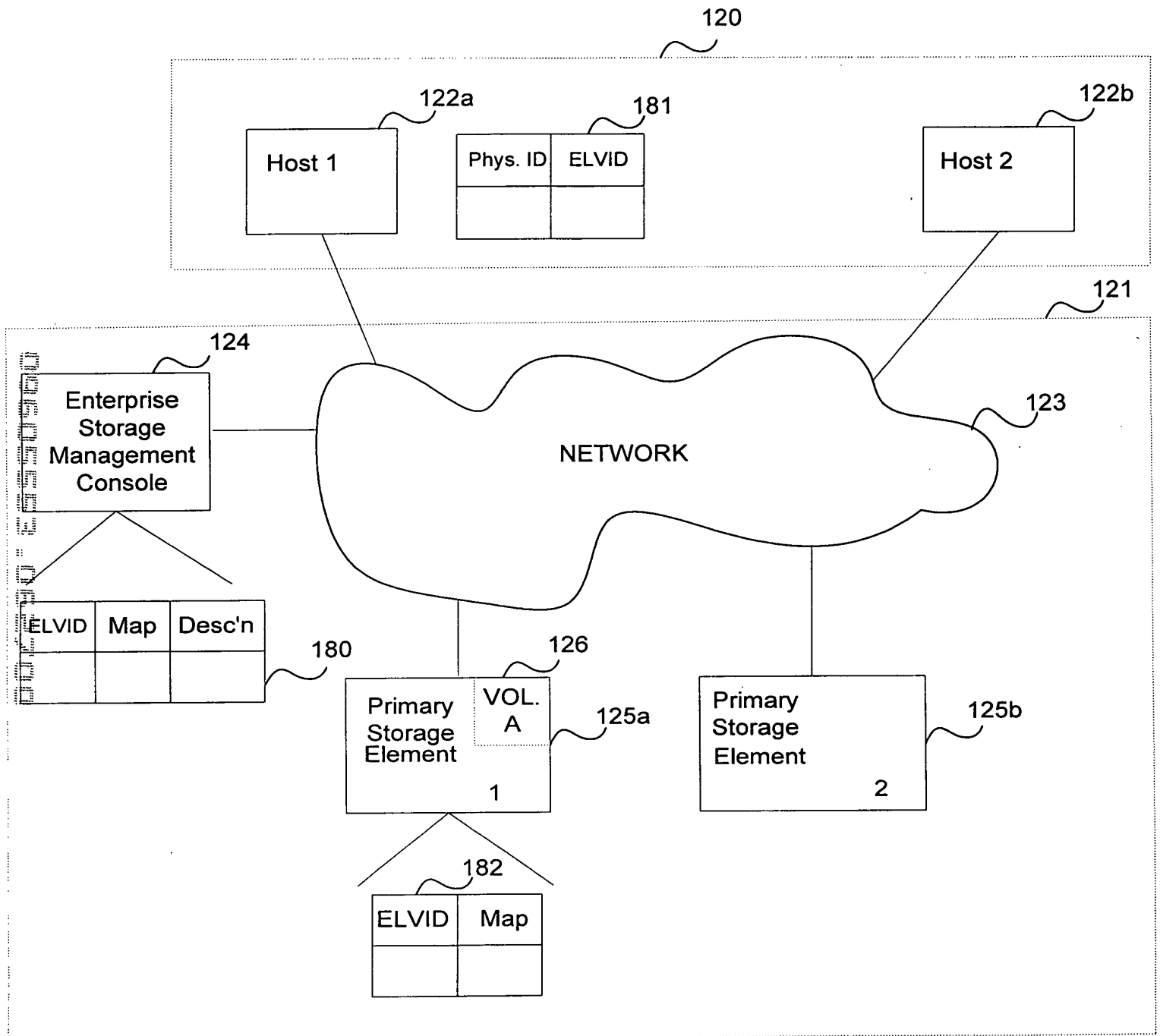


FIG. 18

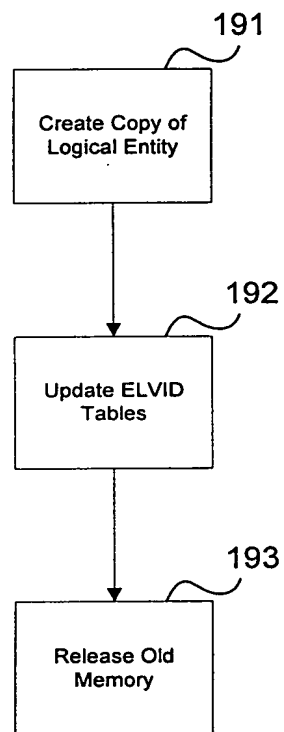


FIG. 19

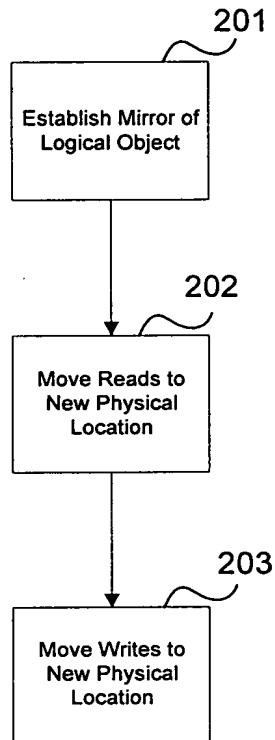


FIG. 20

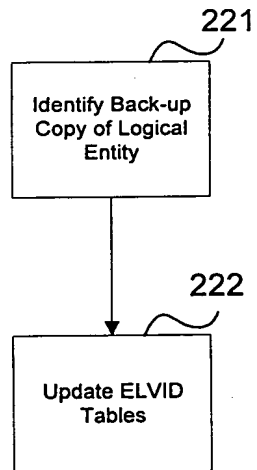


FIG. 22

